AMENDMENTS TO THE CLAIMS

1-18. (Cancelled).

19. (Currently Amended) ~~An experimental model~~ Ciliary muscle for evaluating the effect of a medicine against asthenopia, comprising:

ciliary muscle from a non-human animal in a state of asthenopia, wherein said asthenopia is caused by contracting said ciliary muscle ~~from a non-human animal~~ *in vitro* repeatedly by the use of a smooth muscle contraction-inducing means ~~selected from a chemical stimulant, an electrical stimulant and both thereof~~ until said ciliary muscle shows a ~~substantially stable~~ decrease of 50 ± 30% in the tension of muscular contraction.

20. (Currently Amended) The ciliary muscle ~~experimental model~~ according to claim 19 or claim 23 ~~claim 19~~, wherein said ciliary muscle shows a decrease of 50 ± 20% in the tension of muscular contraction.

21. (Currently Amended) The ciliary muscle ~~experimental model~~ according to claim 19 or claim 23 ~~claim 19~~, wherein said ciliary muscle shows a decrease of 50 ± 10% in the tension of muscular contraction.

22. (Currently Amended) The ciliary muscle ~~experimental model~~ according to claim 23 ~~any one of claims 19 to 21~~, wherein the inducer of smooth muscle contraction ~~smooth muscle~~

~~contraction-inducing means~~ comprises a chemical stimulant selected from the group consisting of acetylcholine, serotonin, histamine, muscarine, nicotine and endothelin.

23. (Currently Amended) ~~An experimental model~~ Ciliary muscle for evaluating the effect of a medicine against asthenopia, ~~wherein said experimental model comprises~~ comprising:

ciliary muscle from a non-human animal in a state of asthenopia, wherein said asthenopia is caused by repeatedly contracting said ciliary muscle *in vitro* with an inducer of smooth muscle contraction comprising at least one inducer selected from the group consisting of a chemical stimulant, and an electrical stimulant ~~and combinations thereof~~, ~~until~~ wherein said ciliary muscle shows a decrease of 50 ± 30% in the tension of muscular contraction.

24. (Currently Amended) A method of preparing an *in vitro* experimental model for evaluating the effect of a medicine against asthenopia, which comprises:

inducing repeated contractions of ciliary muscle derived from a non-human animal *in vitro* until said ciliary muscle shows a decrease of 50 ± 30% in the tension of muscular contraction, wherein said contractions are achieved with an inducer of smooth muscle contraction comprising at least one inducer selected from the group consisting of a chemical stimulant, and an electrical stimulant ~~and combinations thereof~~.

25. (Currently Amended) A method for evaluating the effect of a medicine against asthenopia, comprising:

contacting the ciliary muscle from a non-human animal ~~in the experimental model of~~ according to claim 23 with said medicine, and

measuring the effect of said medicine on the contraction of said ciliary muscle.

26. (Previously Presented) The method of claim 25, wherein the effect of the medicine is evaluated by comparing the decrease in tension of muscular contraction before and after contacting with the medicine.

27. (Previously Presented) The method claimed of claim 25, carried out with use of a Magnus apparatus.